IN THE CLAIMS

Please cancel without prejudice claims 4, 9, 22, and 27.

Please amend claims 1, 5-6, 8, 10, 13-15, 19, 23-24, 26, 28, and 31-33 as indicated below.

1. (Currently Amended) A computer implemented method comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating a first class of the number of classes conflicts with a second class of the number of classes upon determining that at least one of classification rules of the first class overlaps with one of the classification rules of the second class, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one of the classification rules of the first class is nested overlapped with one of the classification rules of the second class.

2. (Original) The method of claim 1, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one of the classification rules of the first class duplicates one of the classification rules of the second class.

3. (Original) The method of claim 1, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one of the classification rules of the first class partially overlaps with one of the classification rules of the second class.

4. (Canceled)

5. (~~Original~~Currently Amended) ~~The method of claim 1~~ A computer implemented method comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating a first class of the number of classes conflicts with a second class of the number of classes upon determining that at least one of classification rules of the first class overlaps with one of the classification rules of the second class, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one of the classification rules of the first class is cyclic nested overlapped with one of the classification rules of the second class.

6. (Currently Amended) ~~The method of claim 1~~A computer implemented method comprising:

receiving a number of classes, each class having a number of classification rules: and

outputting a result indicating a first class of the number of classes conflicts with a second class of the number of classes upon determining that at least one of classification rules of the first class overlaps with one of the classification rules of the second class, wherein the number of classification rules of each class include a number of dimensions, each dimension including a number of rule terms, wherein the method comprises merging the number of rule terms for each dimension.

7. (Original) The method of claim 6, wherein the merging of the number of rule terms for each dimension comprises merging adjacent, overlapping and duplicate ranges of the number of rule terms for each dimension.

8. (Currently Amended) A computer implemented method comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating whether a first class of the number of classes conflicts with a second class of the number of classes based on whether the classification rules of the first class overlap with the classification rules of the second class, wherein the number of classification rules of each class include a number of dimensions, each dimension including a number of rule terms, wherein the method comprises merging the number of rule terms for each dimension.

9. (Canceled)

10. (Currently Amended) The method of claim 98, wherein the merging of the number of rule terms for each dimension comprises merging adjacent, overlapping and duplicate ranges of the number of rule terms for each dimension and wherein outputting the result indicating whether the first class conflicts with the second class is based on whether the number of rule terms for each dimension of the classification rules of the first class overlap with the number of rule terms for each dimension of the classification rules of the second class.

11. (Original) The method of claim 8, wherein the outputting of the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class are duplicates of the classification rules of the second class.

12. (Original) The method of claim 8, wherein the outputting the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class partially overlap with the classification rules of the second class.

13. (Currently Amended) ~~The method of claim 8~~A computer implemented method comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating whether a first class of the number of classes conflicts with a second class of the number of classes based on whether the classification rules of the first class overlap with the classification rules of the second class, wherein the outputting the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class nested overlap with the classification rules of the second class.

14. (Currently Amended) ~~The method of claim 8~~A computer implemented method comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating whether a first class of the number of classes conflicts with a second class of the number of classes based on whether the classification rules of the first class overlap with the classification rules of the second class, wherein the outputting the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class cyclic nested overlap with the classification rules of the second class.

15. (Currently Amended) A computer implemented method comprising:

receiving a number of classes, each class having a number of classification rules;

for each classification rule of a first class of the number of classes, performing the following:

determining whether a classification rule of the first class partially overlaps a classification rule of a second class of the number of classes;

determining whether a classification rule of the first class nested overlaps a classification rule of the second class; and

determining whether a classification rule of the first class is a duplicate of a classification rule of the second class; and

outputting a result indicating the first class conflicts with the second class upon determining that a classification rule of the first class partially overlaps, nested overlaps, or is a duplicate of a classification rule of the second class.

16. (Original) The method of claim 15, wherein the number of classification rules of each class include a number of dimensions, each dimension including a number of rule terms, wherein the method comprises merging the number of rule terms for each dimension.

17. (Original) The method of claim 16, wherein the merging of the number of rule terms for each dimension comprises merging adjacent, overlapping and duplicate ranges of the number of rule terms for each dimension.

18. (Original) The method of claim 17, wherein outputting the result indicating the first class conflicts with the second class comprises outputting the result indicating the first class conflicts with the second class upon determining that the number of rule terms for each dimension of the number of classification rules of the first class partially overlaps, nested overlaps, or is a duplicate of the number of rule terms for each dimension of the number of classification rules of the second class.

19. (Currently Amended) A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating a first class of the number of classes conflicts with a second class of the number of classes upon determining that at least one of classification rules of the first class overlaps with one of the classification rules of the second class, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one of the classification rules of the first class is nested overlapped with one of the classification rules of the second class.

20. (Original) The machine-readable medium of claim 19, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one of the classification rules of the first class duplicates one of the classification rules of the second class.

21. (Original) The machine-readable medium of claim 19, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one

of the classification rules of the first class partially overlaps with one of the classification rules of the second class.

22. (Canceled)

23. (Currently Amended) ~~The machine-readable medium of claim 19~~A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating a first class of the number of classes conflicts with a second class of the number of classes upon determining that at least one of classification rules of the first class overlaps with one of the classification rules of the second class, wherein the outputting of the result indicating the first class conflicts with the second class upon determining that the at least one of the classification rules of the first class is cyclic nested overlapped with one of the classification rules of the second class.

24. (Currently Amended) ~~The machine-readable medium of claim 19~~A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating a first class of the number of classes conflicts with a second class of the number of classes upon determining that at least one of classification rules of the first class overlaps with one of the classification rules of the second class, wherein the number of classification rules of each class include a number of dimensions, each dimension

including a number of rule terms, wherein the method comprises merging the number of rule terms for each dimension.

25. (Original) The machine-readable medium of claim 24, wherein the merging of the number of rule terms for each dimension comprises merging adjacent, overlapping and duplicate ranges of the number of rule terms for each dimension.

26. (Currently Amended) A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating whether a first class of the number of classes conflicts with a second class of the number of classes based on whether the classification rules of the first class overlap with the classification rules of the second class, wherein the number of classification rules of each class include a number of dimensions, each dimension including a number of rule terms, wherein the method comprises merging the number of rule terms for each dimension.

27. (Canceled)

28. (Currently Amended) ~~The machine-readable medium of claim 26~~A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating whether a first class of the number of classes conflicts with a second class of the number of classes based on whether the classification rules of the first class overlap with the classification rules of the second class, wherein the merging of the number of rule terms for each dimension comprises merging adjacent, overlapping and duplicate ranges of the number of rule terms for each dimension and wherein outputting the result indicating whether the first class conflicts with the second class is based on whether the number of rule terms for each dimension of the classification rules of the first class overlap with the number of rule terms for each dimension of the classification rules of the second class.

29. (Original) The machine-readable medium of claim 26, wherein the outputting of the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class are duplicates of the classification rules of the second class.

30. (Original) The machine-readable medium of claim 26, wherein the outputting the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class partially overlap with the classification rules of the second class.

31. (Currently Amended) ~~The machine-readable medium of claim 26~~A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating whether a first class of the number of classes conflicts with a second class of the number of classes based on whether the classification rules of the first class overlap with the classification rules of the second class, wherein the outputting the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class nested overlap with the classification rules of the second class.

32. (Currently Amended) ~~The machine-readable medium of claim 26~~A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules; and

outputting a result indicating whether a first class of the number of classes conflicts with a second class of the number of classes based on whether the classification rules of the first class overlap with the classification rules of the second class, wherein the outputting the result indicating whether the first class conflicts with the second class is based on whether the classification rules of the first class cyclic nested overlap with the classification rules of the second class.

33. (Currently Amended) A machine-readable storage medium that provides instructions, which when executed by a machine, causes the machine to perform operations comprising:

receiving a number of classes, each class having a number of classification rules;

for each classification rule of a first class of the number of classes, performing the following:

determining whether a classification rule of the first class partially overlaps a classification rule of a second class of the number of classes;

determining whether a classification rule of the first class nested overlaps a classification rule of the second class; and

determining whether a classification rule of the first class is a duplicate of a classification rule of the second class; and

outputting a result indicating the first class conflicts with the second class upon determining that a classification rule of the first class partially overlaps, nested overlaps, or is a duplicate of a classification rule of the second class.

34. (Original) The machine-readable medium of claim 33, wherein the number of classification rules of each class include a number of dimensions, each dimension including a number of rule terms, wherein the method comprises merging the number of rule terms for each dimension.

35. (Original) The machine-readable medium of claim 34, wherein the merging of the number of rule terms for each dimension comprises merging adjacent, overlapping and duplicate ranges of the number of rule terms for each dimension.

36. (Original) The machine-readable medium of claim 35, wherein outputting the result indicating the first class conflicts with the second class comprises outputting the result indicating the first class conflicts with the second class upon determining that the number of rule terms for each dimension of the number of classification rules of the first class partially

overlaps, nested overlaps, or is a duplicate of the number of rule terms for each dimension of the number of classification rules of the second class.